

Level	Conditions of importance	Sub-themes	Category	Found in literature	Perceived importance acc literature source	
Crossings	Crossings	With traffic light	Safety	Bernhoft and Carstensen 2008	High	
				TNO, 2004, Wennberg, H. 2009, Tranter		
				Dunbar et al. 2004		
				R.T., 1991		
				Wennberg et al. 2010		
				Borst et al. 2008	Positively related	
		No curb at zebra crossing		Wennberg et al. 2010		
		With sound				
		No crossing		Bernhoft and Carstensen 2008	Dangerous	
				Rosenberg et al. 2012		
	Misplaced crossing		Rosenberg et al. 2012			
	Too short crossing time		Safety	Rosenberg et al. 2012	major concern	
			Vine et al. 2012			
	Bad overview crossing		Safety	Dunbar et al. 2004		
			Rosenberg et al. 2012			
	Fast speed traffic at crossing		Safety	Vine et al. 2012		
	More traffic islands		Safety	Rosenberg et al. 2012		
			Safety	Dunbar et al. 2004		
Pavement level						
Pavement level	Presence of pavement		Accessibility	Bernhoft and Carstensen 2008	High	
				Borst et al. 2008		
				Rosenberg et al. 2012	Key theme	
	Smooth surface		Quality	Bernhoft and Carstensen 2008	High	
				Rosenberg et al. 2012	Key theme	
				Wennberg et al. 2010		
		uneven pavement		Hovbrandt et al. 2007		
		Cobbled surfaces		Matthews et al. 2002	Most cited urban barriers	
	Slippery surfaces	grass, unlevel ground	Quality	Rosenberg et al. 2012		
	Material pavement	Asphalt, stones, gravel	Quality	Matthews et al. 2002	Most cited urban barriers	
				Werkgroep Wageningen Toegankelijk 2012		
	Maintenance of pavement	debris, cracks, holes	Quality	Matthews et al. 2002	Most cited urban barriers	
	homogeneity material	holes, loose tiles, cracks	Quality			
		roots		Rosenberg et al. 2012		
	Width of the pavement		obstruction	Rosenberg et al. 2012		
		narrow pavements		Matthews et al. 2002	Most cited urban barriers	
				Vine et al. 2012		
	Objects on the pavement			Borst et al. 2008		
				Rosenberg et al. 2012		
		Poles		Rosenberg et al. 2012		
		Parked bikes		Rosenberg et al. 2012		
				Hovbrandt et al. 2007		
				Wennberg et al. 2010		
		Wrongly parked bikes		Werkgroep Wageningen Toegankelijk 2012		
		Trees				
		drain cover				
		Parked cars blocking side-walk		Rosenberg et al. 2012		
		Advertisement boards		Werkgroep Wageningen Toegankelijk 2012		
				Werkgroep Wageningen Toegankelijk 2012		
	Dog droppings		Route attractiveness	Borst et al. 2008	Very negative	
	Gutters		obstruction	Matthews et al. 2002	Most cited urban barriers	
				Wennberg et al. 2010		
	protruding portals, facades, basement windows		Obstruction			
	Garbage	bags, litter	Obstruction and route attractiveness	Borst et al. 2008	Negatively related	
				Wennberg et al. 2010		
	Curbs	precense	Accessibility	Borst et al. 2008		
		Heigh curbs		Matthews et al. 2002	Most cited urban barriers	
				Hovbrandt et al. 2007		
				Werkgroep Wageningen Toegankelijk 2012		
		low curb		Wennberg et al. 2010		
	Curb ramps	Lack of	Accessibility	Rosenberg et al. 2012	Key theme	
		Wrong location		Rosenberg et al. 2012		
		too steep			Key theme	
		obstructions blocking ramps		Rosenberg et al. 2012		
	Dropped curbs	lack of	Accessibility	Matthews et al. 2002	Most cited urban barriers	
	Slope of pavements		Accessibility	Borst et al. 2008		
				Werkgroep Wageningen Toegankelijk 2012		
Location pavement ramps		Accessibility	Borst et al. 2008			
Stairs		Accessibility	Borst et al. 2008	Positively related		
	steps		Matthews et al. 2002	Most cited urban barriers		
	No alternative		Rosenberg et al. 2012			
	Lack of handrail of stairs		Wennberg et al. 2010			
			Rosenberg et al. 2012			
	well-contrasted steps		Wennberg et al. 2010			
Street level						
Street level	Slope of the street	too steep	Quality	Rosenberg et al. 2012	Key theme	
				Matthews et al. 2002	Most cited urban barriers	
		hilly topography		Wennberg et al. 2010		
			Quality	Vine et al. 2012		
	Slope of bridges		Accessibility			
	availability bridge					
	green maintenance	branches cut	Obstruction	Wennberg et al. 2010		
	Available public toilets		Route attractiveness			
	Availability shelter against rain		Route attractiveness	Rosenberg et al. 2012		
				Dunbar et al. 2004		
	Availability resting benches		Route attractiveness	Borst et al. 2008		
				Rosenberg et al. 2012		
				Hovbrandt et al. 2007		
				Dunbar et al. 2004		
				Wennberg et al. 2010		
	Trees along the route		Route attractiveness	Borst et al. 2008	Positively related	
	Front gardens		Route attractiveness	Borst et al. 2008	Positively related	
	Overall business on the street	Pedestrians	Safety			
		bicycles				
		traffic				
	Vehicle-pedestrian interaction		safety	Vine et al. 2012	Troublesome	
	Vehicle pedestrian separation		safety	Wennberg et al. 2010		
				Borst et al. 2008		
		Green strips		Borst et al. 2008		
				Dunbar et al. 2004		
	speed control measurements		safety			
	Speedlimit		Safety	Dunbar et al. 2004		
	mixed traffic places		Safety			
	two direction traffic		Safety			
	Precense of street lights		Safety			
				Bernhoft and Carstensen 2008	Low	
				Rosenberg et al. 2012	Key theme	
				Hovbrandt et al. 2007		
				Wennberg et al. 2010		
	Environment level					
	Environment level	Air pollution		Route attractiveness		
Pedestrian network		nodes in network	Accessibility	Vine, 2012		
		Short routes		Bernhoft and Carstensen 2008	Low	
		quick routes		Bernhoft and Carstensen 2008	Low	
Public transport nodes			Accessibility			
Traffic density			safety	Bernhoft and Carstensen 2008	Low	
				Hovbrandt et al. 2007		
Land use mix			Route attractiveness	Vine et al. 2012		
Green			Route attractiveness			
Landmarks and monuments			Route attractiveness			
Precense of highways			Route attractiveness			
Public transport nodes			Accessibility	Borst et al. 2008	Positively related	
Criminality			safety	Rosenberg et al. 2012		
Architectual variety			Route attractiveness			
Precense of facilities			Route attractiveness			
		Schools				
		Youth centres				
		Club and pubs				
		Shops		Borst et al. 2008	Positively related	
		Night activities				
		Catering		Borst et al. 2008		
		Business buildings		Borst et al. 2008		
Empty buildings			Route attractiveness	Borst et al. 2008	weak negative	
Building density			Route attractiveness	Borst et al. 2008	Negatively related	
Parks			Route attractiveness	Borst et al. 2008	Positively related	
City centre			Route attractiveness	Borst et al. 2008	Positively related	
Traffic volume			Route attractiveness	Borst et al. 2008	Positively related	
High rise buildings			Route attractiveness	Borst et al. 2008	Negatively related	
Waste terrain			Route attractiveness	Borst et al. 2008		
Graffiti			Route attractiveness	Borst et al. 2008	Very negative	
				Wennberg et al. 2010		
Blocking commercial signs			Accessibility	Wennberg et al. 2010		
continous guidance routes			Accessibility	Wennberg et al. 2010		
clear warning markings			Accessibility	Wennberg et al. 2010		
clear contrast markings			Accessibility	Wennberg et al. 2010		
Weather						
Weather		Winter conditions	Slippery	Weather	Rosenberg et al. 2012	Key theme
			rain			Key theme
			wind			Key theme
						Key theme
		Summer conditions	Heat	Weather	Rosenberg et al. 2012	Key theme
			sun			Key theme
						Key theme